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1647

TECH CENTER 1600/2900

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/405,032

DATE: 01/30/2001  
 TIME: 10:58:13

ENTERED

Input Set : A:\A378cip2.us  
 Output Set: N:\CRF3\01302001\I405032.raw

## SEQUENCE LISTING

4 (1) GENERAL INFORMATION:  
 6 (i) APPLICANT: Amgen Inc.  
 11 (ii) TITLE OF INVENTION: OSTEOPROTEGERIN  
 13 (iii) NUMBER OF SEQUENCES: 168  
 15 (iv) CORRESPONDENCE ADDRESS:  
 16 (A) ADDRESSEE: Amgen Inc.  
 17 (B) STREET: 1840 Dehavilland Drive  
 18 (C) CITY: Thousand Oaks  
 19 (D) STATE: California  
 20 (E) COUNTRY: United States  
 21 (F) ZIP: 91320  
 23 (v) COMPUTER READABLE FORM:  
 24 (A) MEDIUM TYPE: Floppy disk  
 25 (B) COMPUTER: IBM PC compatible  
 26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
 27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
 29 (vi) CURRENT APPLICATION DATA:  
 C--> 30 (A) APPLICATION NUMBER: US/09/405,032  
 C--> 31 (B) FILING DATE: 24-Sep-1999  
 32 (C) CLASSIFICATION:  
 34 (viii) ATTORNEY/AGENT INFORMATION:  
 35 (A) NAME: Winter, Robert B.  
 36 (C) REFERENCE/DOCKET NUMBER: A-378-CIP2  
 39 (2) INFORMATION FOR SEQ ID NO: 1:  
 41 (i) SEQUENCE CHARACTERISTICS:  
 42 (A) LENGTH: 36 base pairs  
 43 (B) TYPE: nucleic acid  
 44 (C) STRANDEDNESS: single  
 45 (D) TOPOLOGY: linear  
 47 (ii) MOLECULE TYPE: cDNA  
 52 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 54 AAAGGAAGGA AAAAAGCGGC CGCTACANNN NNNNT 36  
 56 (2) INFORMATION FOR SEQ ID NO: 2:  
 58 (i) SEQUENCE CHARACTERISTICS:  
 59 (A) LENGTH: 16 base pairs  
 60 (B) TYPE: nucleic acid  
 61 (C) STRANDEDNESS: single  
 62 (D) TOPOLOGY: linear  
 64 (ii) MOLECULE TYPE: cDNA  
 69 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
 71 TCGACCCACG CGTCCG 16  
 73 (2) INFORMATION FOR SEQ ID NO: 3:  
 75 (i) SEQUENCE CHARACTERISTICS:  
 76 (A) LENGTH: 12 base pairs  
 77 (B) TYPE: nucleic acid  
 78 (C) STRANDEDNESS: single

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79      (D) TOPOLOGY: linear
81      (ii) MOLECULE TYPE: cDNA
86      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
88 GGGTGCGCAG GC
12
90 (2) INFORMATION FOR SEQ ID NO: 4:
92      (i) SEQUENCE CHARACTERISTICS:
93          (A) LENGTH: 18 base pairs
94          (B) TYPE: nucleic acid
95          (C) STRANDEDNESS: single
96          (D) TOPOLOGY: linear
98      (ii) MOLECULE TYPE: cDNA
103     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
105 TGTAAACGA CGGCCAGT
18
107 (2) INFORMATION FOR SEQ ID NO: 5:
109     (i) SEQUENCE CHARACTERISTICS:
110         (A) LENGTH: 18 base pairs
111         (B) TYPE: nucleic acid
112         (C) STRANDEDNESS: single
113         (D) TOPOLOGY: linear
115     (ii) MOLECULE TYPE: cDNA
120     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
122 CAGGAAACAG CTATGACC
18
124 (2) INFORMATION FOR SEQ ID NO: 6:
126     (i) SEQUENCE CHARACTERISTICS:
127         (A) LENGTH: 20 base pairs
128         (B) TYPE: nucleic acid
129         (C) STRANDEDNESS: single
130         (D) TOPOLOGY: linear
132     (ii) MOLECULE TYPE: cDNA
137     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
139 CAATTAACCC TACTAAAGG
20
141 (2) INFORMATION FOR SEQ ID NO: 7:
143     (i) SEQUENCE CHARACTERISTICS:
144         (A) LENGTH: 23 base pairs
145         (B) TYPE: nucleic acid
146         (C) STRANDEDNESS: single
147         (D) TOPOLOGY: linear
149     (ii) MOLECULE TYPE: cDNA
154     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
156 GCATTATGAC CCAGAAACCG GAC
23
158 (2) INFORMATION FOR SEQ ID NO: 8:
160     (i) SEQUENCE CHARACTERISTICS:
161         (A) LENGTH: 23 base pairs
162         (B) TYPE: nucleic acid
163         (C) STRANDEDNESS: single
164         (D) TOPOLOGY: linear
166     (ii) MOLECULE TYPE: cDNA
171     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
173 AGGTAGCGCC CTCCTCACA TTC
23

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175 (2) INFORMATION FOR SEQ ID NO: 9:
177     (i) SEQUENCE CHARACTERISTICS:
178         (A) LENGTH: 30 base pairs
179         (B) TYPE: nucleic acid
180         (C) STRANDEDNESS: single
181         (D) TOPOLOGY: linear
182     (ii) MOLECULE TYPE: cDNA
183     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
190 GACTAGTCCC ACAATGAACA AGTGGCTGTG           30
192 (2) INFORMATION FOR SEQ ID NO: 10:
194     (i) SEQUENCE CHARACTERISTICS:
195         (A) LENGTH: 45 base pairs
196         (B) TYPE: nucleic acid
197         (C) STRANDEDNESS: single
198         (D) TOPOLOGY: linear
199     (ii) MOLECULE TYPE: cDNA
200     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
207 ATAAGAATGC GGCCGCTAAA CTATGAAACA GCCCAGTGAC CATTC       45
209 (2) INFORMATION FOR SEQ ID NO: 11:
211     (i) SEQUENCE CHARACTERISTICS:
212         (A) LENGTH: 21 base pairs
213         (B) TYPE: nucleic acid
214         (C) STRANDEDNESS: single
215         (D) TOPOLOGY: linear
216     (ii) MOLECULE TYPE: cDNA
217     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
224 GCCTCTAGAA AGAGCTGGGA C           21
226 (2) INFORMATION FOR SEQ ID NO: 12:
228     (i) SEQUENCE CHARACTERISTICS:
229         (A) LENGTH: 21 base pairs
230         (B) TYPE: nucleic acid
231         (C) STRANDEDNESS: single
232         (D) TOPOLOGY: linear
233     (ii) MOLECULE TYPE: cDNA
234     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
241 CGCCGTGTTT CATTATGAG C           21
243 (2) INFORMATION FOR SEQ ID NO: 13:
245     (i) SEQUENCE CHARACTERISTICS:
246         (A) LENGTH: 24 base pairs
247         (B) TYPE: nucleic acid
248         (C) STRANDEDNESS: single
249         (D) TOPOLOGY: linear
250     (ii) MOLECULE TYPE: cDNA
251     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
258 ATCAAAGGCA GGGCATACTT CCTG           24
260 (2) INFORMATION FOR SEQ ID NO: 14:
262     (i) SEQUENCE CHARACTERISTICS:
263         (A) LENGTH: 24 base pairs
264         (B) TYPE: nucleic acid

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265          (C) STRANDEDNESS: single
266          (D) TOPOLOGY: linear
268      (ii) MOLECULE TYPE: cDNA
273      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
275 GTTGCACTCC TGTTCACGG TCTG                                24
277 (2) INFORMATION FOR SEQ ID NO: 15:
279      (i) SEQUENCE CHARACTERISTICS:
280          (A) LENGTH: 24 base pairs
281          (B) TYPE: nucleic acid
282          (C) STRANDEDNESS: single
283          (D) TOPOLOGY: linear
285      (ii) MOLECULE TYPE: cDNA
290      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
292 CAAGACACCT TGAAGGCCT GATG                                24
294 (2) INFORMATION FOR SEQ ID NO: 16:
296      (i) SEQUENCE CHARACTERISTICS:
297          (A) LENGTH: 24 base pairs
298          (B) TYPE: nucleic acid
299          (C) STRANDEDNESS: single
300          (D) TOPOLOGY: linear
302      (ii) MOLECULE TYPE: cDNA
307      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
309 TAACTTTTAC AGAAGAGCAT CAGC                                24
311 (2) INFORMATION FOR SEQ ID NO: 17:
313      (i) SEQUENCE CHARACTERISTICS:
314          (A) LENGTH: 33 base pairs
315          (B) TYPE: nucleic acid
316          (C) STRANDEDNESS: single
317          (D) TOPOLOGY: linear
319      (ii) MOLECULE TYPE: cDNA
324      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
326 AGCGCGGCCG CATGAACAAG TGGCTGTGCT GCG                    33
328 (2) INFORMATION FOR SEQ ID NO: 18:
330      (i) SEQUENCE CHARACTERISTICS:
331          (A) LENGTH: 31 base pairs
332          (B) TYPE: nucleic acid
333          (C) STRANDEDNESS: single
334          (D) TOPOLOGY: linear
336      (ii) MOLECULE TYPE: cDNA
341      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
343 AGCTCTAGAG AAACAGCCCA GTGACCATTC C                        31
345 (2) INFORMATION FOR SEQ ID NO: 19:
347      (i) SEQUENCE CHARACTERISTICS:
348          (A) LENGTH: 24 base pairs
349          (B) TYPE: nucleic acid
350          (C) STRANDEDNESS: single
351          (D) TOPOLOGY: linear
353      (ii) MOLECULE TYPE: cDNA
358      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:

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360 GTGAAGCTGT GCAAGAACCT GATG                                     24
362 (2) INFORMATION FOR SEQ ID NO: 20:
364   (i) SEQUENCE CHARACTERISTICS:
365       (A) LENGTH: 24 base pairs
366       (B) TYPE: nucleic acid
367       (C) STRANDEDNESS: single
368       (D) TOPOLOGY: linear
370   (ii) MOLECULE TYPE: cDNA
375   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
377 ATCAAAGGCA GGCATACTT CCTG                                     24
379 (2) INFORMATION FOR SEQ ID NO: 21:
381   (i) SEQUENCE CHARACTERISTICS:
382       (A) LENGTH: 24 base pairs
383       (B) TYPE: nucleic acid
384       (C) STRANDEDNESS: single
385       (D) TOPOLOGY: linear
387   (ii) MOLECULE TYPE: cDNA
392   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
394 CAGATCCTGA AGCTGCTCAG TTG                                     24
396 (2) INFORMATION FOR SEQ ID NO: 22:
398   (i) SEQUENCE CHARACTERISTICS:
399       (A) LENGTH: 33 base pairs
400       (B) TYPE: nucleic acid
401       (C) STRANDEDNESS: single
402       (D) TOPOLOGY: linear
404   (ii) MOLECULE TYPE: cDNA
409   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
411 AGCGCGGCCG CGGGGACCAC AATGAACAAG TTG                             33
413 (2) INFORMATION FOR SEQ ID NO: 23:
415   (i) SEQUENCE CHARACTERISTICS:
416       (A) LENGTH: 33 base pairs
417       (B) TYPE: nucleic acid
418       (C) STRANDEDNESS: single
419       (D) TOPOLOGY: linear
421   (ii) MOLECULE TYPE: cDNA
426   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:
428 AGCTCTAGAA TTGTGAGGAA ACAGCTCAAT GGC                             33
430 (2) INFORMATION FOR SEQ ID NO: 24:
432   (i) SEQUENCE CHARACTERISTICS:
433       (A) LENGTH: 39 base pairs
434       (B) TYPE: nucleic acid
435       (C) STRANDEDNESS: single
436       (D) TOPOLOGY: linear
438   (ii) MOLECULE TYPE: cDNA
443   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:
445 ATAGCGGCCG CTGAGCCCAA ATCTTGTGAC AAAACTCAC                       39
447 (2) INFORMATION FOR SEQ ID NO: 25:
449   (i) SEQUENCE CHARACTERISTICS:
450       (A) LENGTH: 45 base pairs

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VERIFICATION SUMMARY                      DATE: 01/30/2001  
PATENT APPLICATION:    US/09/405,032        TIME: 10:58:14

Input Set : A:\A378cip2.us  
Output Set: N:\CRF3\01302001\I405032.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]